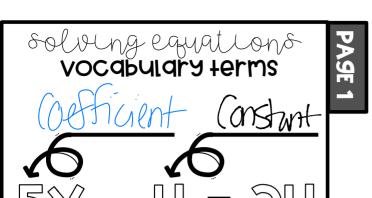
$$\frac{4x-10}{x-3} = \frac{4}{7}$$



SOLVING PQUATIONS

created by:



variable: A letter that takes the place of an unknown

the # in Front of the

constant: a # w/o variable

plain naked #

ONE STEP EQUATIONS

TO UNDO ADDITION > SUbtraction Addition

TO UNDO SUBTRACTION →

TO UNDO MULTIPLICATION > DIVISION

Multiplication TO UNDO DIVISION →

Solve for the MISSING VARIABLES









$$\frac{B}{3} = 10 - 3$$



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		$\overline{}$
STEP 1:	DISTRIBUTE	
STEP 2:	COMBINE LIKE TERMS ON EACH SIDE.	
STEP 3:	MOVE VARIABLES TO ONE SIDE.	
STEP 4:	MOVE CONSTANTS TO THE OTHER SIDE.	
STEP 5:	MULTIPLY BY DENOMINATOR OR DIVIDE BY THE COEFFICIENT.	

SOLVE FOR THE MISSING VARIABLES

PAGE 4



$$\frac{3X}{4} + 4 = 10$$

$$-2(-W + 2W - 3) = 30$$

EQUATIONS W/ VARIABLES ON BOTH SIDES

STEP 1: MOVE THE SMALLER VARIABLE TO ONE SIDE.

STEP 2: MOVE CONSTANTS TO THE OTHER SIDE.

STEP 3: MULTIPLY BY DENOMINATOR OR DIVIDE

BY THE COEFFICIENT.

SOLVE FOR HHE MISSING VARIABLES



$$5K - 2 = 8K + 4$$





PA9E



$$47 + 2 = 2 + 47$$

Same=same

2=27

Infinite Solutions

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MULTI-STEP EQUATIONS WITH VARIABLES ON BOTH SIDES

SOLVE FOR HHE MISSING VARIABLES



$$\frac{X+3}{X-3} = \frac{2}{1}$$

*Cross muttipl

*When you have more than I term! USE

parentheses.

$$(+3 = 2x - 6)$$



$$\frac{1}{3}(3X - 12) + 5 = 2(X - 8) - X + 17$$

infinitely many

solutions

TWO STEP EQUATIONS

STEP 1: ADD OR SUBTRACT CONSTANT

STEP 2: MULTIPLY OR DIVIDE BY COEFFICIENT

SOLVE FOR THE MISSING VARIABLES



$$3X - 8 = 10$$



$$\frac{a}{4} - 10 = -12$$



$$-\frac{42}{3} = 10.3$$

$$-\frac{42}{3} = 30$$

$$-\frac{4}{7} = 30$$

$$-\frac{7}{9} = -\frac{7}{9}$$

$$-\frac{15}{7} = \frac{15}{7}$$

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MULTI STEP EQUATIONS

STEP 1:	DISTRIBUTE
STEP 2:	COMBINE LIKE TERMS ON EACH SIDE.
STEP 3:	MOVE VARIABLES TO ONE SIDE.
STEP 4:	MOVE CONSTANTS TO THE OTHER SIDE.
STEP 5:	MULTIPLY BY DENOMINATOR OR DIVIDE BY THE COEFFICIENT.

Solve for the Missing variables

PA9E

w

$$\frac{3X}{4} + \frac{4}{4} = 10$$



$$-2(-W + 2W - 3) = 30$$

$$\frac{2w - 4w + 6 = 30}{-2w + 4 = \frac{30}{-6}}$$

$$-\frac{2}{2} = \frac{2}{2}$$
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ONE STEP EQUATIONS

TO UNDO ADDITION → _____

TO UNDO SUBTRACTION →_____

TO UNDO MULTIPLICATION → ______

TO UNDO DIVISION →

SOLVE FOR HHE MISSING VARIABLES



$$\frac{B}{2} = 10$$

2 de 3